

Wireless module for energy consumption



The Wireless Value DLXp detects and counts the number of pulses and is used for measuring energy consumption in high voltage, high current, 3-phase electrical systems. For these measurements, a kWh meter must be fitted. Current transformers may be used (depending on the type of kWh meter) to scale down the high current to the required input value of the kWh meter.

Overview

- Accurate and wireless sensing
- Battery lifetime up to 10 years
- Compatible with all Wireless Value Base Stations
- 1.000 metre range (line of sight)

Applications

- Industrial
- Healthcare
- Laboratories

Specifications

- Ability to buffer 10.000 measurements
- Programmable measuring interval
- Attractive ABS enclosure
- Wall-mountable
- Easy to add sensors to operational system
- User-replaceable battery
- Unique network ID to avoid interference with other wireless systems

Sensor values are sent by the paired Base Station to:

- Wireless Value Online Portal (LAN of mobile provider)
- Wireless Value Online Portal (on premises)
- Modbus-network (IP or RS485)
- SensorGraph via serial interface or LAN

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Technical specifications

Design	Wireless module
Type	Pulse signals
Sensor type	External; kWh meter
Measurement range	
Pulse rate	Max. 100 pulses/second
Grid voltage	Depends on kWh meter
Grid max current	Depends on kWh meter
Detection levels	Max. 100 pulses/second
Input impedance	~20 K Ω
Overload protection	+30 V
Measurement interval	Configurable between 1 second and 255 minutes, default 2 minutes
Operating limits	-20 °C to +80 °C
Power	AA 3.6 V lithium battery or mains power supply if required
Memory	10.000 measurements
Radio standard	EN 300 220
Frequency	868 - 870MHz
Range	1.000 m with free line of sight
Housing	IP65
Color	matt black
Dimensions	105(l) x 70(w) x 34(h) mm, excl. gland & wall mount
Weight	93 g (excluding battery)
Configuration	SensorGraph or Wireless Value Online Portal
Legislation	RED CE
Ordering options	
Housing options	no
External antenna	no
Pressure relief valve	no
External power supply	no

